

# RECLAMATION

*Managing Water in the West*

## **MP CONSTRUCTION OFFICE**

**Willows, California**

**Construction Progress Report – L29**

**April 2013**



Northfork Pipeline Repair Folsom Pumping Plant  
The newly installed manway is depicted in this photo

**"Doing It Right from the Start"**



U.S. Department of the Interior  
Bureau of Reclamation  
Mid-Pacific Region

CONSTRUCTION PROGRESS REPORT (L-29)  
MP CONSTRUCTION OFFICE  
MID-PACIFIC REGION  
March 2013

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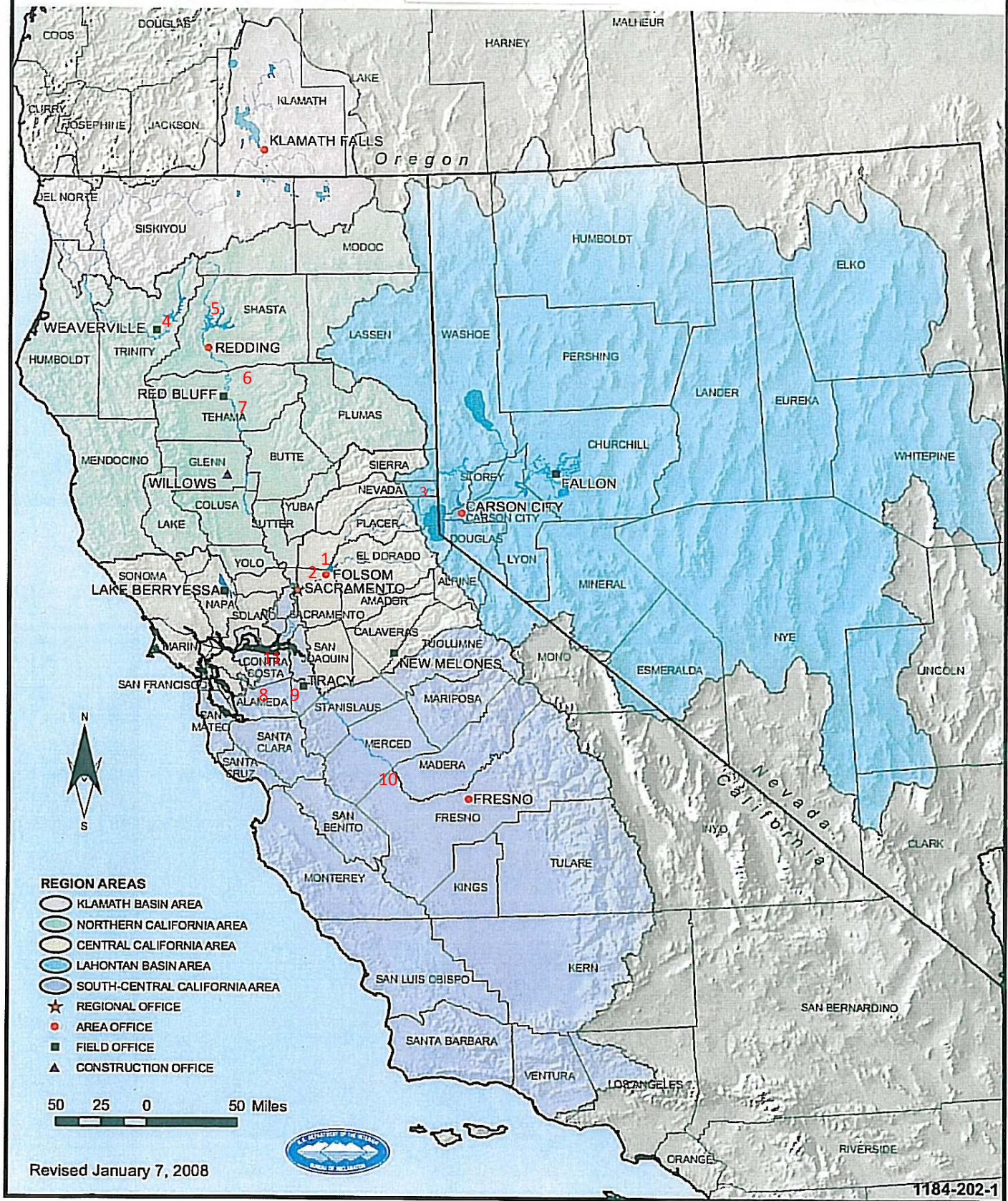
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# Mid-Pacific Region

**RECLAMATION**  
Managing Water in the West



1184-202-1



## **STAFFING – MID PACIFIC CONSTRUCTION OFFICE**

The Mid Pacific Construction Office had 61 construction and administrative employees at the close of this month as follows:

Construction Engineer's Office	2
Preaward & Project Management Group	3
Administrative Management	10
Division of Field Engineering	28
Division of Office Engineering	11
Materials Lab Branch	7

## **GLOSSARY OF ACRONYMS AND ABBREVIATIONS**

### **MEANING**

ARRA	American Recovery and Reinvestment Act
CCAO	Central California Area Office
CVP	Central Valley Project
KBAO	Klamath Basin Area Office
LBAO	Lahontan Basin Area Office
MP	Mid Pacific Regional Office
MPCO	Mid-Pacific Construction Office
NCAO	Northern California Area Office
SCCAO	South Central California Area Office
TO	Tracy Office



CCAO



Contract No. R10PC20R15

Specification No. 20-C0649A

Fixed Wheel Gate Rehabilitation – American River Division – Folsom Unit - Central Valley  
Project, California

Abide International, Inc., Sonoma, CA

Work Performed:	April	0%
	Time Elapsed	89.4%
	Work Completed	76.5%
Contractor Earnings:	April	\$0
	Previous	\$6,487,353.29
	Total to Date	\$6,487,353.29

Area Office Project Management

Project Manager: Jesse Castro, CC-607

Office Engineering

Contract Administrator: Larry Bowman, MPCO-240

No invoices were received this period.

Field Engineering

Construction Manager: Henry Garcia, MPCO-310

Construction Representative: Gustavo Aguilera, MPCO-337; Bill Linder, MPCO-312; Howard  
Diedrich, MPCO-316

Number of Contract Employees: 7

Work performed:

As the main contractor for this project, Abide International, Inc. was present at the jobsite during the work days and nights of the month of April coordinating and overseeing all activities related to the Fixed Wheel Gates Rehabilitation Project. There were 13 days worked total this month, primarily on the measurements of Gate 2 of the Fixed Wheel Gates.

The contractor received Modification 6 for working on Gates 1 and 2. The existing wheels were found to be a different size than the contract plans stated. Existing wheels are ½-inch smaller in diameter than what the contract said to make the new wheels. The Contractor was informed that the gate could be cut to allow the wheels to be installed; they did remove a small amount of existing gate to install the new wheels. Bureau of Reclamation directed that the gate be surveyed with the information submitted to the engineers.

Contractor, with his subcontractors Monterey Mechanical and F3 Associates, the surveying contractor, took measurements of the gate seals and the placement of the wheels for setting the wheels at the correct distance to achieve a seal on the dam face.

Other work was performed under Modification 5 for adjustment of hydraulic system to allow the operation speed to increase when closing for protection of the equipment when operating. The work was being performed as the design and engineering work for the modification of the system was underway.

Additional contract work was the coating of the stem in the gate; Abide sub-contractor Jeffco completed this task.

Contract No. R10PC20019

Specification No. 20-C0689

Folsom Power Plant Generators U1, U2, and U3 Rewind and Excitation System Replacement –

American River Division – Folsom Unit – Central Valley Project, California

Andritz Hydro Corp, Charlotte, NCFolsom Fixed Wheel Gate Rehabilitation

Work Performed:	April	0%
	Time Elapsed	68.7%
	Work Completed	68.6%
Contractor Earnings:	April	\$745,384.24
	Previous	\$12,886,399.18
	Total to Date	\$13,631,783.42

Area Office Project Management

Project Manager: Jesse Castro, CC-607

Office Engineering

Contract Administrator: Madelyn Giles, MPCO-210

Invoice 10 was received and forwarded the Denver finance office for processing. It was not for work this period, but was for work through February 28, 2013.

Field Engineering

Construction Manager: Henry Garcia, MPCO-310

Construction Representative: Sergio Vivar, MPCO-311, Todd Dooley, MPCO-314

Number of Contract Employees: 7

Work performed:

Andritz Hydro performed the following work:

- Continued cutting toe boards from the handrails to lower to meet clearance requirements for the Unit 3 equipment platform.
- Installed the relay and associated test switch inside the exciter cabinet.
- Terminated conductors and cables.
- Connected the existing neutral bus system to the new neutral bus work.
- Set the Unit 3 exciter and power potential transformer onto the platform.





Folsom Power Plant Generators U1, U2, and U3 Rewind and Excitation  
The contractor setting the U3 Exciter in the power plant

Contract No. R10PC20767

Specification No. 20-C0703

Folsom Power Plant U1, U2, and U3 Replacement Runners – American River Division – Folsom Unit – Central Valle-y Project, California

Voith Siemens Hydro Power Generation, Inc., York, PA

Work Performed:	April	0%
	Time Elapsed	86.0%
	Work Completed	73.3%
Contractor Earnings:	April	\$0
	Previous	\$5,419,539.62
	Total to Date	\$5,419,539.62

Area Office Project Management

Project Manager: Jesse Castro, CC-607

Office Engineering

Contract Administrator: Madelyn Giles, MPCO-210

No invoices were received this period.

Field Engineering

Construction Manager: N/A supply contract

Construction Representative: N/A supply contract

Number of Contract Employees: N/A supply contract

Work performed: N/A supply contract

Contract No. R09PC20171

Specification No. 20-C0720

Nimbus Powerplant HVAC System Modification – American River Division – Folsom Unit,

Central Valley Project, California

Perryman Mechanical, Inc., West Sacramento, CA

Work Performed:	April	0%
	Time Elapsed	100%
	Work Completed	79.9%
Contractor Earnings:	April	\$0
	Previous	\$428,963.09
	Total to Date	\$428,963.09

Area Office Project Management

Brian Zewe, CC-607A

Office Engineering

Contract Administrator: Ryan Hennigan, MPCO-211

No invoices were received this period.

The contractor has only to complete overdue submittals, conduct training, and is expected to complete submittal requirements in the next few months.

Field Engineering

Construction Manager: Henry Garcia, MPCO-310

Construction Representative: Todd Dooley, MPCO-314

Number of Contract Employees: 0

Work performed:

All site work has been completed and the substantially complete date was December 17, 2010.

Contract No. R10PC20114

Specification No. 20-C0754

Folsom Dam – Safety of Dams Modification – MIAD Key-Block – American River Division,

Folsom Unit, Central Valley Project, California.

Shimmick Construction Co., Inc., Sacramento, CA

Work Performed:	April	0%
	Time Elapsed	100%
	Work Completed	94.9%
Contractor Earnings:	April	\$0
	Previous	\$43,172,626.23
	Total to Date	\$43,172,626.23

Area Office Project Management

Project Manager: Larry Hobbs, CC-106

Office Engineering

Contract Administrator: Larry Bowman, MPCO-240

No invoices were received this period.

Field Engineering

Construction Manager: Henry Garcia, MPCO-310

Construction Representative: Howard Diedrich, MPCO-316; Sean Frische, MPCO-317

Number of Contract Employees: 0

Work Performed:

No site work was performed as all site work was complete in February 2013. The substantial completion date was January 4, 2013.

Contract No. R10PC20R57

Specification No. 20-C0760

Folsom Dam Civil Maintenance Building – American River Division – Folsom Unit - Central Valley Project, California

Building Solutions Inc., Reno, NV

Work Performed:	December	0%
	Time Elapsed	100%
	Work Completed	99.3%

Contractor Earnings:	December	\$0
	Previous	\$6,726,090.55
	Total to Date	\$6,726,090.55

Area Office Project Management

Project Manager: Ed Roza, CC-608

Office Engineering

Contract Administrator: John Zimmerman, MPCO-230

No invoices were received this period.

The contractor continued working on final submittals.

Field Engineering

Construction Manager: Henry Garcia, MPCO-310

Construction Representative: Michael E. Manlick, MPCO-313

Number of contract employees: 2

Work Performed:

Punch list items, including roof leak repair, continued this period



Contract No. R12PC20104

Specification No. 20-C0792

Northfork Pipeline Repair Folsom Pumping Plant – American River Division, Folsom Unit,  
Central Valley Project, California.

Anderson-Burton Construction, Inc., Arroyo Grande, CA

Work Performed:	April	0%
	Time Elapsed	86.2%
	Work Completed	39.6%
Contractor Earnings:	April	\$0
	Previous	\$460,149.91
	Total to Date	\$460,149.91

Area Office Project Management

Project Manager: Jesse Castro, CC-607

Office Engineering

Contract Administrator: Madelyn Giles, MPCO-210

No invoices were received this period.

Field Engineering

Construction Manager: Henry Garcia, MPCO-310

Construction Representative: Todd Dooley, MPCO-314; Mike Manlick, MPCO-313

Number of Contract Employees: 19

Work Performed:

A materials engineer and a chemist from the Technical Service Center inspected and evaluated the coal tar coating inside of the pipeline. Several sections were found to have an overall coating failure, and a field-applied coating at the pipe weld joints has failed to perform as well as the factory-applied coating on the pipe.

As a result of the evaluation, approximately 6,000 square feet of coal tar coating on the pipeline interior will require stripping and recoating.

MPCO inspectors and the contractor's personnel identified 241 spot locations where corrosion wastage of greater than 1/16<sup>th</sup> inch necessitates weld repair.

The contractor's shipment of air relief valves from the supplier was delayed. The City of Folsom's seasonal water demand prevents an outage on the Natoma Pipeline long enough to drain the pipe, remove and replace the air relief valves, and refill the pipe. The next available outage will probably not occur until November 2013.

JM Environmental's crew performed the following:

- Continued cleaning the interior of the 84-inch pipeline.
- Removed packing rings from the final expansion joint on the sloped section of pipe.
- Removed coal tar and prepared the interior pipe surface to be recoated. Several methods were tested to remove the coal tar residue once the majority of the coating was manually stripped and abrasive blasting with a garnet was chosen.

American's crew installed and welded all three of the new manway sections onto the pipeline. An independent certified welding inspector performed visual, magnetic particle, and ultrasonic testing on the welds. The straps that attach each manway to the pipeline have been prepared for air testing, which is the final test of the welds prior to coating.



Northfork Pipeline Repair Folsom Pumping Plant  
Reclamation materials engineer inspecting the coal tar coating

Contract No. R10PC20859

Specification No. None

Folsom Dam and Powerplant Site Security System – American River Division – Folsom Unit -  
Central Valley Project, California

Trofholz Technologies, Inc., Rocklin, CA

Work Performed:	April	0%
	Time Elapsed	100%
	Work Completed	97.9%
Contractor Earnings:	April	\$0
	Previous	\$6,235,856.94
	Total to Date	\$6,235,856.94

Area Office Project Management

Project Manager: Bill Vanderwaal, MPCO-122

Office Engineering

Contract Administrator: Kevin Jacobs, MPCO-214

No invoices were received this period.

A modification will be processed for time extension.

Field Engineering

Construction Manager: Henry Garcia, MPCO-310

Construction Representative: Phil Moseby, MPCO-327

Number of Contract Employees: 0

Work Performed:

All site work was completed in December 2012 and the substantially complete date was December 28, 2012.

**KBAO**

There were no active construction projects underway for the Klamath Basin Area Office in April 2013.





# LBAO



Contract No. R12PC20137

Specification No. 20-C0796

Prosser Creek Dam OHV Bridge Crossing – Stampede Division – Washoe Project, California

Algerine West Construction, Inc., Jamestown, CA

Work Performed	April	0%
	Time Elapsed	18.7%
	Work Completed	98.2%
Contractor Earnings	April	\$0
	Previous	\$0
	Total to Date	\$0

Area Office Project Management

Project Manager: Locke Hahne, LO-400

Office Engineering

Contract Administrator: John Zimmerman, MPCO-230

Notice to Proceed was issued on April 2, 2013.

No invoices were received this period.

Field Engineering

Construction Manager: Henry Garcia, MPCO-310

Construction Representative: Dennis Schuenemann, MPCO-338

Number of Contract Employees: 0

Worked Performed:

The contractor has scheduled site work to begin the first week of June 2013.



NCAO



Contract No. R10PC20744

Specification No. 20-C0712

J.F. Carr Power Plant, Generator G1 and G2 Rewinds – Trinity River Division – Central Valley  
Project California

National Electric Coil, Inc., Columbus, OH

Work Performed	April	0%
	Time Elapsed	100%
	Work Completed	98.2%
Contractor Earnings	April	\$0
	Previous	\$14,947,810.48
	Total to Date	\$14,947,810.48

Area Office Project Management

Program Manager: John Dotter, NC-261

Office Engineering

Contract Administrator: Kevin Jacobs, MPCO-214

All that remains is the completion of three modifications and final submittals.

No invoices were received this period.

Field Engineering

Construction Manager: Steve Holmes, MPCO-320

Construction Representative: Frank Medberry, MPCO-341

Number of Contract Employees: 0

Worked Performed:

The contractor completed all site work in December 2012.



Contract No. R10PC20102

Specification No. 20-C0755

Spring Creek Powerplant Generators G1 and G2 Rewinds – Trinity River Division – Central Valley Project, California

Andritz Hydro Corp., Charlotte, NC

Work Performed:	April	0%
	Time Elapsed	59.2%
	Work Completed	66.8%

Contractor Earnings:	April	\$0
	Previous	\$7,575,741.77
	Total to Date	\$7,575,741.77

Area Office Project Management

Project Manager: Joe Ascoli, NC-650

Office Engineering

Contract Administrator: Kevin Jacobs, MPCO-214

No invoices were received this period.

Field Engineering

Construction Manager: Steve Holmes, MPCO-320

Construction Representative: Frank Medberry, MPCO-341

Number of Contract Employees: 0

Work performed:

No site work was performed this period. Site work will begin again in November 2013.

Contract No. R12PC20044  
Specification No. 20-C0774a  
Station Service Switchgear Replacement – Trinity River Division – Central Valley Project,  
California  
Eaton Corporation, Raleigh, NC

Work Performed:	April	0%
	Time Elapsed	100%
	Work Completed	99.1%
Contractor Earnings:	April	\$0
	Previous	\$2,195,413.41
	Total to Date	\$2,195,413.41

Area Office Project Management  
Project Manager: Jeff Gifford, NC-221

Office Engineering  
Contract Administrator: Ryan Hennigan, MPCO-211

Notice to Proceed date: April 2, 2012

No invoices were received this period.

The contractor has only to complete final submittals.

Field Engineering  
Construction Manager: Steve Holmes, MPCO-320  
Construction Representative: David Derk, MPCO-334

Number of Contract Employees: 0

Worked Performed:  
All site work has been completed. The dates of substantial completion are:

<u>Site</u>	<u>Date</u>
Spring Creek	12/05/12
JF Carr	2/23/13
Trinity	2/15/13

Contract No. R12PC20053

Specification No. 20-C0789

Shasta Powerplant Control and Computer Room HVAC Replacement – Shasta Division –

Central Valley Project, California

Ray-Mac Mechanical, Inc., Mt. Shasta, CA.

Work Performed:	January	0%
	Time Elapsed	100.0%
	Work Completed	94.3%
Contractor Earnings:	January	\$0
	Previous	\$309,680.00
	Total to Date	\$309,680.00

Area Office Project Management

Project Manager: Bob Gee, NC-230

Office Engineering

Contract Administrator: Ryan Hennigan, MPCO-211

Notice to Proceed date: April 26, 2012

No invoices were received this period.

The contractor has only to complete final submittals.

Field Engineering

Construction Manager: Steve Holmes, MPCO-320

Construction Representative: Frank Medberry, MPCO-341

Number of Contract Employees: 0

Work performed:

No site work was performed as the contractor completed all site work in October 2013. The substantially complete date was October 5, 2013.

Contract No. R10PC20025

Specification No. None

Coleman Fish Hatchery Water Intakes Vegetation Replacement and Monitoring – Shasta

Division – Central Valley Project, California

Tehama Environmental Solutions, Inc., Red Bluff, CA

Work Performed:	April	0%
	Time Elapsed	47.7%
	Work Completed	88.4%
Contractor Earnings:	April	\$0
	Previous	\$626,095.31
	Total to Date	\$626,095.31

Area Office Project Management

Project Manager: Hank Harrington, NC-210

Office Engineering

Contract Administrator: Jacquelyn Olds, MPCO-202

No invoices were received this period.

Field Engineering

Construction Manager: Randy Wyatt, MPCO-305

Construction Representative: Daniel Pavone, MPCO-333

Number of Contract Employees: 0

Work performed:

The contractor's current activity consists of maintaining vegetation planted in 2010.

Contract No. R11PC20235

Specification No. None

Red Bluff Diversion Dam, Fish Passage Improvement Project, Terrestrial Mitigation –  
Sacramento Canal Units – Sacramento River Division – Central Valley Project, California  
Tehama Environmental Solutions, Inc., Red Bluff, CA

Work Performed:	April	0%
	Time Elapsed	19.4%
	Work Completed	79.7%
Contractor Earnings:	April	\$0
	Previous	\$3,781,257.36
	Total to Date	\$3,781,257.36

Area Office Project Management

Project Manager: Bill Vanderwaal, MPCO-122

Office Engineering

Contract Administrator: Jacquelyn Olds, MPCO-202

No invoices were received this period.

Field Engineering

Construction Manager: Randy Wyatt, MPCO-305

Construction Representative: Daniel Pavone, MPCO-333

Number of Contract Employees: 4

Work performed:

Tehama Environmental Solutions, Inc. crew worked on maintenance and operation of the irrigation system for the emergent marsh, mixed forest riparian and willow scrub areas, and on weed control across the construction site. During the irrigation process, the crew encountered a problem with the water supply for the irrigation system; the water well from the Forest Service was drying out during the irrigations. Forest Service personnel conducted an inspection of the wells and concluded that the water supply from the well could not keep up with the irrigation water demand. Tehama Environmental Solutions, Inc. worked on troubleshooting options and concluded that a different type of pump was needed. Tehama Environmental Solutions, Inc. purchased a water pump that provided higher pressure, and they were able to irrigate all the areas.



Red Bluff Diversion Dam, Fish Passage Improvement Project, Terrestrial Mitigation  
View of the Emergent Marsh plants growing well



# SCCAO





Contract No. R10PC80R23

Specification No. 20-C0761

Delta-Mendota Canal–California Aqueduct Intertie – Central Valley Project – California

Shimmick Construction Company, Inc., Tracy, CA

Work Performed:	April	1.0%
	Time Elapsed	100%
	Work Completed	99.9%

Contractor Earnings:	April	\$160,142.20
	Previous	\$15,381,816.97
	Total to Date	\$15,541,959.17

Area Office Project Management

Project Manager: Erika Kegel, MP-730

Office Engineering

Contract Administrator: Ryan Hennigan, MPCO-211

Invoice 21 was received and forwarded to the Denver finance office for processing.

The contractor has only to complete three final submittals.

Field Engineering

Construction Manager: Steve Holmes, MPCO-320

Construction Representative: Chris Van Deusen, MPCO-345

Number of Contract Employees: 0

Work performed:

All site work was completed in May 2012. The date of substantial completion was April 6, 2012.

Contract No. R11PC20185

Specification No. 20-C0778

Tracy 13.8kV Switchgear/Breaker Replacement – Tracy Pumping Plant and Substation – Central Valley Project, California

Contra Costa Electric Corp., Martinez, CA

Work Performed:	April	0%
	Time Elapsed	42.7%
	Work Completed	10.4%
Contractor Earnings:	April	\$0
	Previous	\$1,207,280.72
	Total to Date	\$1,207,280.72

Area Office Project Management

Project Manager: Warren Feng, TO-438

Office Engineering

Contract Administrator: Amber Pierce, MPCO-205

This is a design/build contract.

No invoices were received this period

Field Engineering

Construction Manager: Steve Holmes, MPCO-320

Construction Representative: David Derk, MPCO-334

Number of Contract Employees: 0

Work performed:

No site work was performed because the contractor has not yet mobilized to the site. The contractor is scheduled to begin site work in October 2013.

Contract No. R12PC20062

Specification No. 20-C0785

Tracy Fish Collection Facility - Trash Rake Monorail Extension – Delta Division – Central Valley Project, California

Monterey Mechanical Co., Oakland, CA

Work Performed:	April	0%
	Time Elapsed	90.6%
	Work Completed	90.1%
Contractor Earnings:	April	\$327,500.00
	Previous	\$265,756.43
	Total to Date	\$595,256.43

Area Office Project Management

Project Manager: David Tsao, TO-435

Office Engineering

Contract Administrator: Larry Bowman, MPCO-240

Invoice 4 was received and forwarded to the Denver finance office for processing. It was not for work done this period, but was for work done through March 31, 2013.

Field Engineering

Construction Manager: Steve Holmes, MPCO-320

Construction Representative: Frank Medberry, MPCO-341

Number of Contract Employees: 7

Work performed:

Ovivo was onsite to complete the installation of the monorail. Monterey Mechanical installed the trolley to the monorail and Ovivo completed the electrical installation. The monorail was tested in accordance with the contract and returned to the facility to resume operations.

A substantially complete letter was drafted, as well as a punch list.

Contract No. R12PC20107  
Specification No. 20-C0788  
San Louis Demonstration Treatment Plant – San Luis Unit Drainage –  
West Stanislaus Division – San Louis Unit – Central Valley Project, California  
Slayden Construction Group, Inc., Stayton, OR

Work Performed:	April	0%
	Time Elapsed	37.4%
	Work Completed	12.2%
Contractor Earnings:	April	\$570,659.56
	Previous	\$2,160,114.72
	Total to Date	\$2,730,774.28

Area Office Project Management  
Project Manager: Cheryl Carter, SCC-105

Office Engineering  
Contract Administrator: Casandra Arthur, MPCO-245

Invoice 4 was received and forwarded to the Denver finance office for processing. It was not for work done this period, but for work done through March 31, 2013.

Field Engineering  
Construction Manager: John Nelson, MPCO-328  
Construction Representative: Chris Van Deusen, MPCO-345

Number of Contract Employees: 15

Work performed:  
The contractor completed excavation for main trench laterals and began excavation and preparation of subgrade for concrete slabs in building and treatment areas. The contractor completed sequences 4 through 10 for trench slab and wall placements.

CMC Rebar ironworkers placed and tied rebar for trench slabs and walls.

Triple C finishers applied the required finish to the completed placements.

Con J Franke Electrical electricians installed ground loops at utility trench intersections and various buried conduit runs between the treatment building and surrounding areas.

O'Dell Engineering inspected and monitored Stormwater Pollution Prevention measures, and performed construction surveys.

Contract No. R13PC20194

Specification No. 20-C0800

Tracy Facility Pavement Rehabilitation – Delta Division – Central Valley Project, California

Allright Construction, Inc., Kerman, CA

Work Performed	April	0%
	Time Elapsed	3.6%
	Work Completed	0%
Contractor Earnings	April	\$0
	Previous	\$0
	Total to Date	\$0

Area Office Project Management

Project Manager: Brian Shinmoto, TO-430

Office Engineering

Contract Administrator: John Zimmerman, MPCO-230

Notice to Proceed was issued on April 18, 2013.

No invoices were received this period.

Field Engineering

Construction Manager: Steve Holmes, MPCO-320

Construction Representative: Frank Medberry, MPCO-341

Number of Contract Employees: 0

Worked Performed:

The contractor has scheduled site work to begin in June 2013.



# Regional





Contract No. R10PC20R42

Specification No. 20-C0746

Hydropower Facility Modifications - Stage 1 – Battle Creek Salmon and Steelhead Restoration Project, California

RTA Construction/Ray Toney JV, Redding, CA

Work Performed:	April	0%
	Time Elapsed	100%
	Work Completed	99.5%
Contractor Earnings:	April	\$0
	Previous	\$10,100,141.22
	Total to Date	\$10,100,141.22

Area Office Project Management

Project Manager: Mary Marshall, MP-203

Office Engineering

Contract Administrator: Kent Perkes, MPCO-225

No invoices were received this period.

The contractor has only to complete final submittals.

Field Engineering

Construction Manager: Randy Wyatt, MPCO-305

Construction Representative: John Pospishil, MPCO-321

Number of Contract Employees: 0

Work performed:

No onsite work was performed this period as all site work was completed in March 2013.

Substantial completion will be issued when as-built drawings are approved.

Contract No. R10PC20R80

Specification No. 20-C0759

Drought Relief – Construction of New Wells – ARRA Project No. 28.002 – California

Layne Christensen Company, Fontana, CA

Work Performed:	April	0%
	Time Elapsed	100%
	Work Completed	96.2%

Contractor Earnings:	April	\$0
	Previous	\$14,977,666.61
	Total to Date	\$14,977,666.61

Area Office Project Management

Project Manager: Kevin Clancy, MP-410

Office Engineering

Contract Administrator: John Zimmerman, MPCO-230

No invoices were received this period.

The office work remaining consists of dealing with final submittals.

Field Engineering

Construction Manager: John E. Nelson, MPCO-328

Construction Representative: John E. Nelson, MPCO-328

Number of Contract Employees: 2

Work performed:

The contractor successfully performed the 4-hour field start up, testing, and monitoring on West Stanislaus Irrigation District Well No. 33.1.

Contract No. R13PC20005

Specification No. 20-C0799

Baldwin Creek Fish Barrier – Battle Creek Salmon and Steelhead Restoration Project, California

Contractor Services Group, Inc.

Work Performed:	April	0%
	Time Elapsed	25.9%
	Work Completed	10.5%
Contractor Earnings:	April	\$34,278.49
	Previous	\$343,554.98
	Total to Date	\$377,833.47

Area Office Project Management

Project Manager: Mary Marshall, MP-203

Office Engineering

Contract Administrator: Kent Perkes, MPCO-225

Invoice 2 was received and forwarded to the Denver finance office for processing. It was not for work this period, but for work through March 31, 3013.

Field Engineering

Construction Manager: Randy Wyatt, MPCO-305

Construction Representative: John Pospishil, MPCO-321

Number of Contract Employees: 0

Work performed:

No onsite work was performed this period. The contractor is waiting for the Federal Energy Regulatory Commission approval to perform site work.

Purchase Order No. R13PX20026

Specification No. 20-C0806

Pixley National Wildlife Refuge Alfalfa Valve Modifications – California

CW Crosser Construction, Inc., Anaheim, CA

Work Performed:	April	0%
	Time Elapsed	66.7%
	Work Completed	0%
Contractor Earnings:	April	\$0
	Previous	\$0
	Total to Date	\$0

Area Office Project Management

Project Manager: Kevin Clancy, MP-410

Office Engineering

Contract Administrator: John Zimmerman, MPCO-230

No invoices were received this period.

Field Engineering

Construction Manager: John E. Nelson, MPCO-328

Construction Representative: John E. Nelson, MPCO-328

Number of Contract Employees: 3

Work performed:

After mobilizing the contractor's crew prepared the site for lean concrete which included excavation to expose voids beneath structure, placing Geo-membrane, and constructing a sand bag berm surrounding structures. Following this the contractor placed lean concrete.



Pixley National Wildlife Refuge Alfalfa Valve Modifications  
The contractor placing lean concrete



# Contracts in Warranty Status





R09PC20R03 20-C0677 Transformer K1A and K2A Replacements, Folsom Power Plant

There was no Office Engineering Administrative activity this period.

5-year warranty for K1A extends to January 30, 2016, and that for K2A extends to January 4, 2017.

R10PC20128 20-C0706 New Melones Power Plant Excitation System Replacement

There was no Office Engineering Administrative activity this period.

1-year warranty extends to May 24, 2013.

R10PC20R11 20-C0730 Red Bluff Pumping Plant and Fish Screen, Pumps and Motors

There was no Office Engineering Administrative activity this period.

3-year warranty extends to May 24, 2015.

R10PX20R45 20-C0750 Drought Relief, Well Enhancements

There was no Office Engineering Administrative activity this period.

1-year warranty for Tulare Irrigation District Well 1.16 extends to May 13, 2013. The 1-year warranties for all other wells have expired.

R10PX20R54 20-C0750 Drought Relief, Well Enhancements

There was no Office Engineering Administrative activity this period.

1-year warranty extends to December 6, 2013.

R10PC20R33 20-C0752 Red Bluff Pumping Plant and Fish Screen

Closeout submittals were dealt with this period.

1-year warranty extends to September 26, 2013.

R10PC20197 20-C0768 Control, Upgrade and Modernization of the Gantry and Bridge Cranes at the Folsom Dam and Powerplant

There was no Office Engineering Administrative activity this period.

2-year warranty extends to September 7, 2013.

R10PC20196 20-C0769 Control Upgrade and Modernization of the Gantry Crane at Nimbus Powerplant

There was no Office Engineering Administrative activity this period.

2-year warranty extends to June 13, 2013.

R11PC20155 20-C0776a Delta Cross Channel Gate Control and Lighting Improvements

There was no Office Engineering Administrative activity this period.

1-year warranty extended to April 24, 2013.

R12PC20055 20-C0776b Delta Cross Channel Gate Hoist Wire Rope Replacement

There was no Office Engineering Administrative activity this period.

1-year warranty extends to May 11, 2013.

R11PC20158 20-C0777 Stampede Powerplant and Switchyard Recoatings

There was no Office Engineering Administrative activity this period.

1-year warranty extends to August 12, 2013.

R11PC20124 20-C0780 Coleman National Fish Hatchery Barrier Weir Site Modifications

There was no Office Engineering Administrative activity this period.

1-year warranty extends to September 28, 2013.

R12PC20193 20-C0791 Shasta Dam Traffic Circle Pavement Rehabilitation

There was no Office Engineering Administrative activity this period.

1-year warranty extends to August 4, 2013.

R10PC20R32 20-C0749 Fish Screen Structure Phase 3, Contra Costa Canal

There was no Office Engineering Administrative activity this period.

1-year warranty for Siemens ultrasonic level transmitter ends August 21, 2013.

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U.S. Bureau of Reclamation

Aggregate Gradation Summary

From 04/01/2013 to 04/30/2013

Specification : C0-0788  
Mix Number : 3050200B  
Project : Central Valley  
Feature : San Luis Demonstration Treatment Plant

Sand Gradations (ASTM)

Date	Percent Passing							% -200	FINE MOD	Moist %	Spec Grav	Absorp
	No. 3/8"	No. 4	No. 8	No. 16	No. 30	No. 50	No. 100					
Spec Max %	100.0	100.0	100.0	85.0	60.0	30.0	10.0					
Spec Min %	100.0	95.0	80.0	50.0	25.0	10.0	2.0					
04/02/2013	100.0	99.3	88.7	62.8	37.0	13.9	3.7	2.20	2.95	3.30	2.57	2.70
04/05/2013	100.0	99.3	87.7	62.2	36.6	13.3	2.6	1.30	2.98	2.50	2.57	2.70
04/10/2013	100.0	96.2	75.8	54.4	33.1	12.7	2.8	1.30	3.25	4.50	2.57	2.70
04/16/2013	100.0	99.6	89.2	65.0	38.9	14.7	3.1	1.30	2.90	4.70	2.57	2.70
04/19/2013	100.0	99.6	90.4	65.8	39.5	14.9	2.9	1.20	2.87	2.70	2.57	2.57
04/25/2013	100.0	99.5	91.0	66.7	40.5	15.7	3.5	1.50	2.83	3.30	2.57	2.70
Average	100.0	98.9	87.1	62.8	37.6	14.2	3.1	1.47	2.96	3.50	2.57	2.68
S.D.	0.0	1.4	5.7	4.5	2.7	1.1	0.4	0.37	0.15	0.91	0.00	0.05
C.O.V.	0.0	1.4	6.5	7.1	7.1	7.8	13.5	25.39	5.11	26.06	0.00	1.98

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U.S. Bureau of Reclamation  
Aggregate Gradation Summary  
From 04/01/2013 to 04/30/2013

Specification : C0-0788  
Mix Number : 3050200B  
Project : Central Valley  
Feature : San Luis Demonstration Treatment Plant

Nominal Size : #4 - 1" (ASTM)

Coarse Aggregate Gradations

Date	Percent Passing Screen Sizes in Inches or Sieve Size Shown					% -200	Moist %	Spec Grav	Absorp
	1 1/2"	1"	1/2"	#4	#8				
Spec Max %	100.0	100.0	60.0	10.0	5.0				
Spec Min %	100.0	95.0	25.0	0.0	0.0				
04/02/2013	100.0	96.1	26.8	1.8	0.6	0.00	0.03	2.60	1.80
04/05/2013	100.0	99.3	48.2	3.7	1.5	0.70	-1.43	2.60	1.80
04/10/2013	100.0	98.2	44.0	2.8	0.6	0.80	0.00	2.60	1.80
04/16/2013	100.0	98.2	43.4	3.0	1.0	0.70	0.90	2.60	1.80
04/19/2013	100.0	99.7	57.2	1.2	0.6	0.60	1.20	2.60	1.80
04/25/2013	100.0	97.6	45.0	4.6	0.8	0.90	0.00	2.60	1.80
Average	100.0	98.2	44.1	2.9	0.9	0.62	0.12	2.60	1.80
S.D.	0.0	1.3	9.9	1.2	0.4	0.32	0.92	0.00	0.00
C.O.V.	0.0	1.3	22.5	42.2	42.3	51.71	786.91	0.00	0.00

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U.S. Bureau of Reclamation  
Concrete Construction Data  
Concrete Class: Structural  
Report of Mixes Used From 04/01/2013 to 04/30/2013

Mix Design Number: 3050200B  
Specification Number: C0-0788  
Project: Central Valley  
Feature: San Luis Demonstration Treatment Plant

		Percent Of																T		Fresh Concrete Tests						Compressive Strength Of Individual Specimens														
(psi)		y^3						Coarse Aggregate										Yield Quantities per Cubic Yard										E		Air										
Date	of	in each size						Pounds						Oz				Cem	M	Slump	UW	W/	Grav	Press	3	7	28	90	180											
1	Time	Conc	Sand	CA1	CA2	CA3	CA4	Water	Cem	Poz	Sand	C.A.	AD#3	AEA	WRA	AD#4	AD#5	Eff	P	(ins)	(pcf)	C+P	Meth	Meter	Day	Day	Day	Day	Day											
Year																																								
04/02/2013																																								
06:12	47.50	40.6	100.0	0.0	0.0	0.0	0.0	282	576	193	1090	1617	0	5.1	30.8	30.8	10.3	8.4	64	3.75	139.2	0.37	5.1	5.8	3250	4030	4710													
																									3920	4910														
04/05/2013																																								
07:01	28.50	41.6	100.0	0.0	0.0	0.0	0.0	256	576	191	1145	1628	0	4.6	30.7	30.7	10.2		65	3.50	140.6	0.33	5.2	4.2	3780	3960	#####													
																									3980	#####														
04/10/2013																																								
07:03	23.19	39.8	100.0	0.0	0.0	0.0	0.0	308	573	192	1101	1685	0	5.4	30.6	30.6	10.2		63	2.00	142.9	0.40	1.9	4.0	3110	4350	#####													
																									4180	#####														
04/16/2013																																								
06:53	44.50	41.5	100.0	0.0	0.0	0.0	0.0	323	572	192	1128	1611	0	5.4	30.4	30.4	10.1		60	2.00	141.7	0.42	2.1	4.9	3300	4190	#####													
																									4400	#####														
04/19/2013																																								
07:05	32.00	41.4	100.0	0.0	0.0	0.0	0.0	333	566	189	1133	1623	0	5.3	30.1	30.2	10.0		60	3.00	142.4	0.44	1.3	4.1		3660	#####													
																									3820	#####														
04/25/2013																																								
06:44	40.50	42.5	100.0	0.0	0.0	0.0	0.0	317	577	191	1163	1591	0	5.6	30.6	30.5	10.2		67	3.75	142.2	0.41	2.0	4.5		3970	#####													
																									3910	#####														
Design		40.0	100.0	0.0	0.0	0.0	0.0	300	564	188	1063	1615	0	30.0	30.0	15.0	300.0			3.00	138.2	0.40	5.0	5.0			4500													
AVG.		41.2	100.0	0.0	0.0	0.0	0.0	303	573	191	1127	1626	0	5.2	30.5	30.5	10.2	8.4	63	3.00	141.5	0.40	2.9	4.6	3360	4031	4810													
S.D.		0.9	0.0	0.0	0.0	0.0	0.0	29	4	1	27	32	0	0.3	0.2	0.2	0.1	0.0	3	0.82	1.4	0.04	1.8	0.7	291	214	141													
C.O.V		2.3	0.0	0.0	0.0	0.0	0.0	9.5	0.7	0.7	2.4	1.9	0.0	6.6	0.8	0.7	0.8	0.0	4.3	27.4	1.0	10.0	59.7	14.8	8.7	5.3	2.9													

Bureau.....: Required average strength = 5569 psi at 28 days. Based on 90% exceeding the design strength of 4500 psi & C.O.V. (Est.) = 15.0  
ACI.....: Required average strength = 5700 psi at 28 days (n=8)  
CURE METHOD...: Water Tank with an Average Cure Temperature of 70 - 76 (F)

##### = Specimen not broken as of report date.